

INTERNATIONAL SEARCH REPORT

PCT/GB2004/004308

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01L5/04 G01L1/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G01L G01B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category [*]	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 226 396 A (CORNING GLASS WORKS) 24 June 1987 (1987-06-24) the whole document -----	1-27
A	PATENT ABSTRACTS OF JAPAN vol. 007, no. 260 (P-237), 18 November 1983 (1983-11-18) -& JP 58 142209 A (SHARP KK), 24 August 1983 (1983-08-24) abstract -----	1, 4, 13, 16, 25
A	US 4 294 545 A (STUTZ ET AL) 13 October 1981 (1981-10-13) column 2, line 50 - column 3, line 55; figures 1,2 ----- -/-	1, 4, 13, 16

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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- *P* document published prior to the international filing date but later than the priority date claimed

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- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

- *&* document member of the same patent family

Date of the actual completion of the international search

20 June 2005

Date of mailing of the international search report

01/07/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl
Fax (+31-70) 340-3016

Authorized officer

Prasse, T

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 549 131 A (AMERICAN TELEPHONE AND TELEGRAPH COMPANY; AT&T CORP) 30 June 1993 (1993-06-30) column 5, lines 51-56; figure 4 -----	9,10
A	DE 100 25 046 A1 (TORAY ENGINEERING CO., LTD) 4 January 2001 (2001-01-04) column 10, lines 5-62 -----	2,4,9, 10,21-25

INTERNATIONAL SEARCH REPORT

PCT/GB2004/004308

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 0226396	A	24-06-1987	US AU AU CA EP JP JP	4692615 A 595264 B2 6581486 A 1254280 A1 0226396 A2 2583416 B2 62137531 A	08-09-1987 29-03-1990 11-06-1987 16-05-1989 24-06-1987 19-02-1997 20-06-1987
JP 58142209	A	24-08-1983	NONE		
US 4294545	A	13-10-1981	CH DE	638306 A5 2949303 A1	15-09-1983 19-06-1980
EP 0549131	A	30-06-1993	US DE DE DK EP JP KR	5233200 A 69208069 D1 69208069 T2 549131 T3 0549131 A2 6229854 A 9703499 B1	03-08-1993 14-03-1996 05-09-1996 26-02-1996 30-06-1993 19-08-1994 18-03-1997
DE 10025046	A1	04-01-2001	JP JP JP CN CN	3016781 B2 2000335829 A 2000337980 A 1275522 A ,C 1530310 A	06-03-2000 05-12-2000 08-12-2000 06-12-2000 22-09-2004